

RO

Robatech
Glueing Technology

Pumelt 20 MOD

PUR Hotmelt Application System

For melting and pumping of reactive polyurethane (PUR) hotmelts. Suitable for processing adhesive blocks from 20-litre drums with or without inner liner. The »Melt-On-Demand« system with a cooled melting grill (Pat.) provides the most gentle way of processing PUR hotmelts.



Application

The Pumelt 20 MOD is designed to melt reactive polyurethane hotmelts. With its tank diameter of 312 mm and the »Melt-On-Demand« feature it is particularly suitable to gently process blocks (hobbocks) of 20-litre size.

MOD melting technology

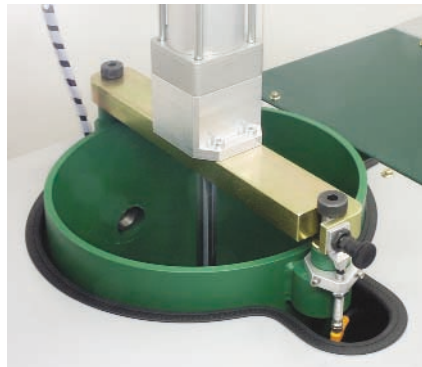
PUR application systems will only function impeccably if »fresh«, i.e. thermally undamaged hotmelt is processed. With the »Melt-On-Demand« technology, only the required quantity of adhesive is melted in a closed melting area. A contact pressure cylinder forces the block of adhesive against the heated melting grill when material is required. As soon as sufficient liquid adhesive is available the melting grill is cooled and the contact pressure cylinder is stopped. From the melting area the melted glue reaches a reservoir from which it is fed to the application systems by means of a gear pump.

No blanket gassing required

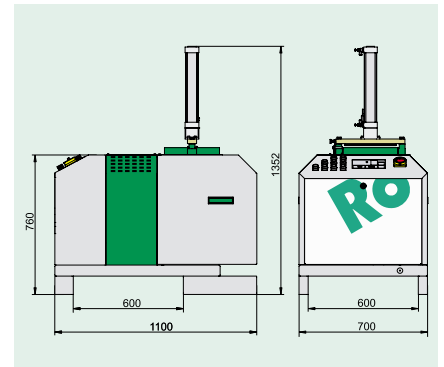
PUR hotmelts react with the air humidity, which is why the entire adhesive system is closed airtight. Thanks to the new melting technology the tank cover does not need to be opened any more except when the drum is empty. There is no need for elaborate blanket gassing any more.

Cleaning couldn't be easier

All parts of the appliance coming into contact with the hotmelt material feature an FEP anti-stick coating. The optimal flow of the adhesive without dead zones prevents deposits. In the interest of easy cleaning the tank is made of two parts for convenient folding open.



Appliance tank with contact pressure cylinder



Dimensions

Salient features

- Gentle melting for immediate demand
- Cooled melting grill
- Closed system without blanket gassing
- Convenient cleaning with fold-open tank
- Compatible with Robatech pumps, ICS-electronics and accessories



Fold-open tank with cooled melting grill

Technical data

Tank volume	20 litre blocks
Melting capacity	ca. 25 kg/h (approx. value)
Feeding pump	1 gear pump, 5 different types
Feed quantity per pump	ZP1 = 22 kg/h, ZP2 = 44 kg/h, ZP3 = 88 kg/h ZP0.25 = 5.5 kg/h, ZP0.5 = 11 kg/h
Glue viscosity	100...100'000 mPas
Heated hose connections	2x 1/2", recommended hoses NW 8 or 13 mm
Operating temperature	20...150° C
Electrical connection	400 Volt AC, 50/60 Hz, max. 27 kWatt
Dimensions L x B x H	1100 x 700 x 760-1352 mm
Weight	190 kg

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